



Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62706

MEMORANDUM

ODI

DATE: July 14, 1980

TO: Mike Nechvatal

FROM: Lisa Binder, Cathy Crego, Jill Schaller

SUBJECT: Site Evaluation for ODI Criterion
Lake County -- Waukegan/Municipal #1 -- LPC #09719001

EPA Region 5 Records Ctr.



350930

This closed and covered site was inspected on June 25, 1980, by Cathy Crego, Jill Schaller, Lisa Binder and Northern Region FOS Inspector Jeff Stofferahn and on July 7, 1980, by Cathy Crego and Lisa Binder. This site is located in the SE1/4, NE1/4, Sec. 6, T.45N., R.12E., Latitude 42° 24' 23", longitude 87° 51' 49". The surrounding land use around the site is as follows: south, west and north - residential, east - a city park - Bevier Park. This site was permitted in 1972 and closed and covered in 1976. This site was permitted to accept garbage, brush, demolition material, large bulky material and paper. The owner: Waukegan Park District, 1000 East Belvidere, Waukegan, Illinois 60086 and the operator: Henry Tewes, Jr. Post Office Box 92, Waukegan, Illinois 60085, were not present at the times of either inspection. Upon arrival at this site on both dates it was noted that there was no site restriction. Evidence of this was found on the access road as a pile of broken bottles was found randomly dumped. On July 7, a strong odor of leachate was noted near the entrance to the site on the access road approximately 150' from the southern drainage ditch. In the drainage ditch along the southern edge of the site evidence of past leachate flows and seeps were found on June 25. The inspection on July 7 found leachate seeping, flowing, and ponding in these areas. A major seep was found on both dates in the southwest part of the drainage ditch. Located in the southwest part of the site is a marsh that had evidence of past leachate ponding. The ground in this area was discolored, being stained an orange/red, the size of this discolored area being approximately 40' x 20'.

Further evidence is given by the fact that all the vegetation in this discolored area of the marsh was dead, while that vegetation located in the marsh, but not in discolored ground, was very much alive. A pile of randomly dumped leaves was found in the southwest corner of the site. On June 25, the drainage ditch on the north side of the site showed evidence of past leachate seeps and flows by the discoloration of the ditch. On July 7, leachate was seeping out of the walls of the ditch in various spots. Evidence of past seeps and flows was noted as before. In the ditch behind the church leachate was found seeping into the ditch from the base of the ditch rather than flowing down the wall as in other locations. A large area, approximately 15' x 20', of ponded and dried leachate was found adjacent to and in the drainage ditch to the east.

This pond was approximately 60' from the drainage tile in the east-central part of the drainage ditch. The drainage ditches on the north and south join together along the east side. In the east-central part of this ditch is a cement drainage pipe that extends under McAree Road and empties into Bevier Park Lake. On July 7th, Cathy and I walked around the lake noting that there are two other drainage ditches that empty into the lake, one to the north and one to the east. This lake is man-made, owned by the Waukegan Park District, and used for recreational purposes. A leachate odor was noted in the park approximately 200' from the landfill. The wind on this day was from the southwest.

This group recommends that this site has failed the ODI Criterion on safety-access and surface water. As seen on the two inspections by ODI and the inspections by FOS Inspectors dated 5/9/80, 4/16/80, 1/7/80, and 11/20/80, random dumping has taken place at this site. Landscaping debris and broken bottles were found on the site. Walking around the site it was found that there isn't any site restrictions on any side of the landfill. Access can be gained from any direction including the entrance as there is no gate or fencing across the road. This site fails the criterion for surface water in that there is a point source discharge. The drainage ditches containing leachate discharge into the park district recreational lake across McAree Avenue. On page 3-3, paragraph (3) of the ODI Guidance Manual it states in short, "that there shall not be a discharge of pollutants to waters that are or could be used by foreign or Interstate Travelers for Recreational or other purposes".

Other criterion to be considered are those for safety-methane, ground water and safety-air. Methane is generated at the site because putrescible waste was deposited on-site. Evidence of methane generation was found in the drainage ditches, the leachate was seen to be bubbling in numerous areas. There are four houses off the southern border and one off the northeast corner that are within 1,200' of the site. The ground water could be affected in the area because of the large amount of leachate produced on-site. The homes in the immediate area all use private wells for water. Water analysis reports for the Hribar well, located on Hendee Road south of the site, show R.O.E. counts of 900 and 856 for 4/6/78 and 6/8/78 respectively. In the Inspection Report dated 6/8/78, the inspector stated that he delivered the water analysis reports to the Hribar and Hendley homes, located directly south of the site and the findings show possible ground water contamination. Open burning of landscaping debris was noted in the southwest corner of the site in the inspection report of 11/20/79. On 6/25/80, these inspectors noted an area on the east part of the access road where ashes were found. With unrestricted access to this site it can be assumed that more open burning can and will take place, thus, failing the criterion for air.

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York Road
[unclear]